# Chevrolet Volt Vehicle Demonstration

Fleet Summary Report

Reporting period: July 2011 through September 2011

Number of vehicles: 110

Number of vehicle days driven: 3,227

## All operation

| | |
|---|---|
| Overall gasoline fuel economy (mpg) | 74.8 |
| Overall AC electrical energy consumption (AC Wh/mi) | 185 |
| Average Trip Distance | 13.1 |
| Total distance traveled (mi) | 208,165 |
| Average Ambient Temperature (deg F) | 77.6 |

## Electric Vehicle mode operation (EV)

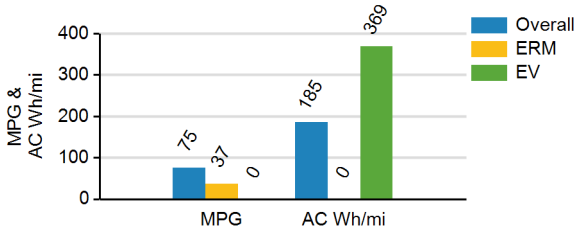
| | |
|---|---|
| Gasoline fuel economy (mpg) | No Fuel Used |
| AC electrical energy consumption (AC Wh/mi) | 369 |
| Distance traveled (mi) | 104,687 |
| Percent of total distance traveled | 50.3% |
| Average driving style efficiency (distance weighted)[1] | 87% |

## Extended Range mode operation (ERM)

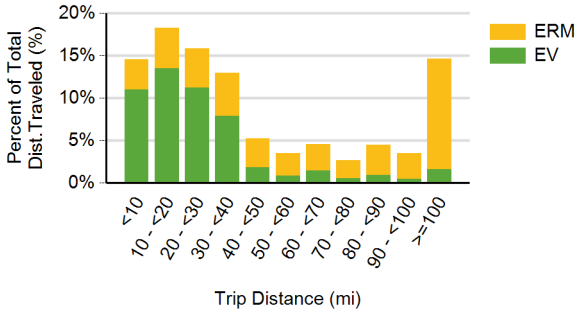
| | |
|---|---|
| Gasoline fuel economy (mpg) | 37.2 |
| AC electrical energy consumption (AC Wh/mi) | No Elec. Used |
| Distance traveled (mi) | 103,478 |
| Percent of total distance traveled | 49.7% |
| Average driving style efficiency (distance weighted)[1] | 82% |

| | City[3] | Highway[3] |
|---|---|---|
| Percent of miles in EV operation (%) | 69.8% | 33.9% |
| Percent Number of trips | 85.0% | 15.0% |
| Average trip distance (mi) | 7.4 | 45.6 |
| Average driving style efficiency (distance weighted)[1] | 83% | 86% |

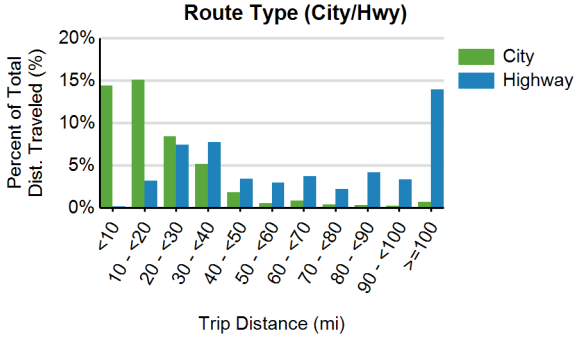
**Fuel Economy & Electrical Consumption By Operating Mode**



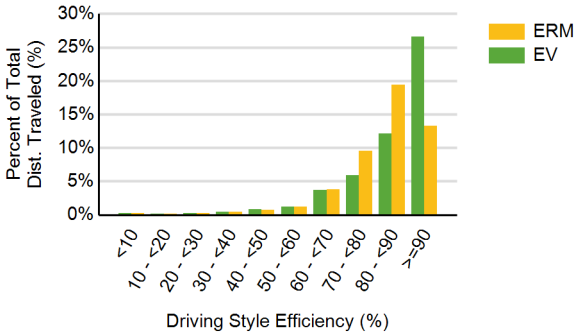

**Percent Distance Traveled By Operating Mode (EV/ERM)**



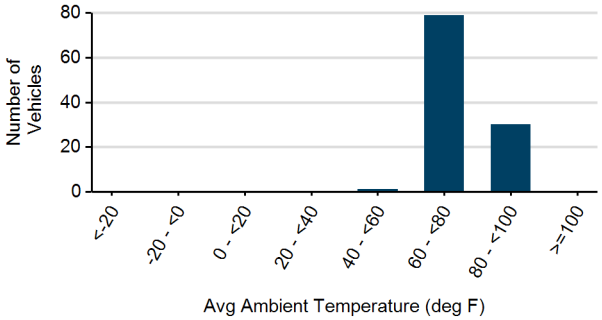

**Percent Distance Traveled by Route Type (City/Hwy)**




**Percent Distance Driven for each Driving Style Efficiency**




**Distribution of Average Ambient Temperature[2]**




1 The energy efficiency over the drive cycle is based on driving style. Driving in a more efficient manner results in a higher percentage for driving style.

2 Plot shows average ambient temperature during all driving in the reporting period for each vehicle

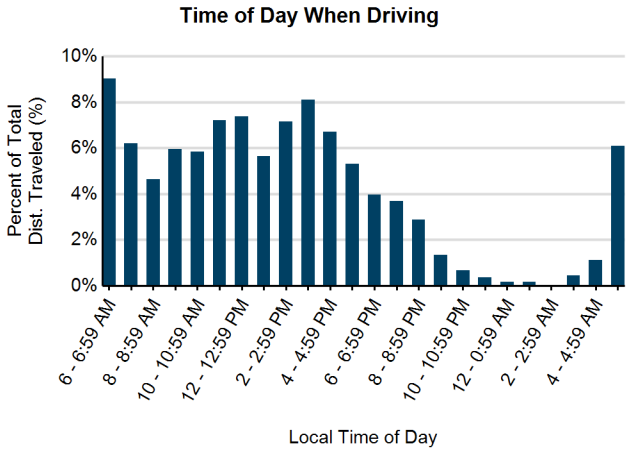
3 City / Highway defined per SAE J2841

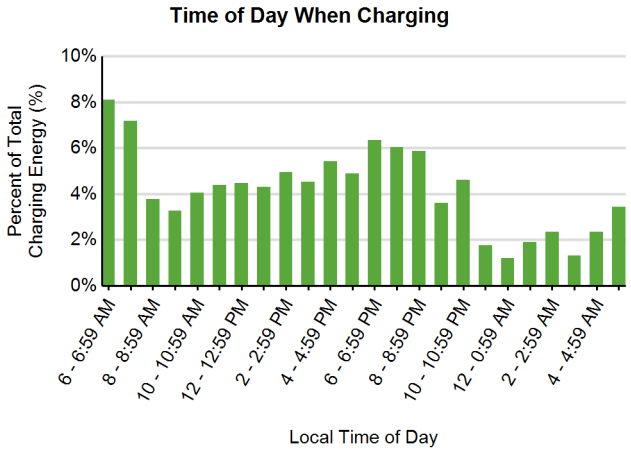
# Chevrolet Volt Vehicle Demonstration (continued)

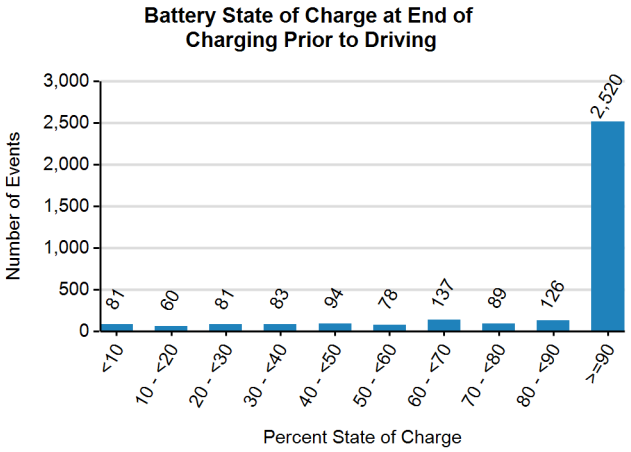
Reporting period: July 2011 through September 2011

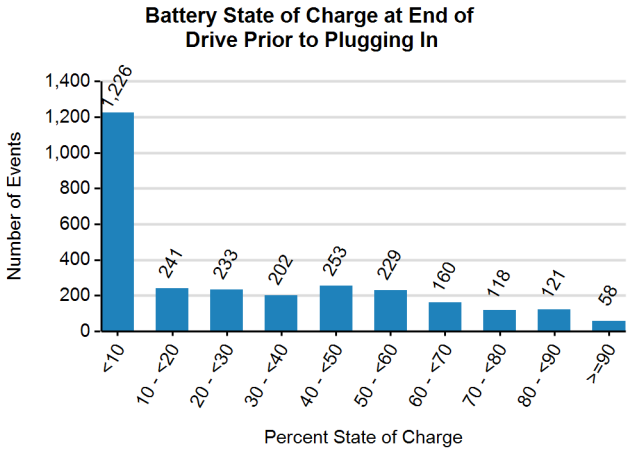
## Charging Information

| | |
|---|---|
| Average number of charging events per vehicle month* | 17 |
| Average number of charging events per vehicle day* | 1.3 |
| Average distance between charging events (mi) | 44 |
| Average number of trips between charging events | 3.3 |
| Average time charging per charging event (hr) | 3.4 |
| Average energy per charging event (AC kWh) | 7.1 |
| Average charging energy per vehicle month* (AC kWh) | 119 |
| Total charging energy (AC kWh) | 38,593 |




* month or day vehicle is driven